Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/02/2022 09:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124941	-1	1.67	124792	1.72
Blue	F	SSC	125000	124547	-1	3.49	125109	3.43
Blue	E	FITC	15860	15474	-3	2.37	378	13.53
Blue	D	PE	27718	27416	-2	1.84	637	10.37
Blue	B	PerCP-Cy5-5	38046	37489	-2	3.11	1025	14.35
Blue	A	PE-Cy7	26092	25880	-1	4.91	510	29.23
Red	C	APC	49104	48252	-2	2.69	1692	11.62
Red	A	APC-Cy7	28201	27828	-2	3.09	735	12.40
Violet	B	V450	9904	9485	-5	3.33	532	11.68
Violet	A	V500	39004	37429	-5	2.95	982	8.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23854	2.14	562	-7	N/A	N/A	Pass
Blue	F	SSC	55712	1.89	518	-10	N/A	N/A	Pass
Blue	E	FITC	58	54.24	488	-3	0.0486	106	Pass
Blue	D	PE	125	37.49	493	-3	0.3981	276	Pass
Blue	B	PerCP-Cy5-5	140	43.87	584	-5	0.0218	98	Pass
Blue	A	PE-Cy7	66	90.25	625	-7	0.0239	6	Pass
Red	C	APC	329	26.07	578	-3	0.0262	81	Pass
Red	A	APC-Cy7	97	43.93	551	-4	0.0062	1354	Pass
Violet	B	V450	86	50.04	459	1	0.0535	2106	Pass
Violet	A	V500	123	34.81	470	1	0.0260	1748	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.39	-32.03	1.08
Blue	20.37	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	17.01	13.90 - 20.86	N/A	N/A	30.41	30.68	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9959

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments